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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04849

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G11B15/665

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> G11B17/665

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Publication Gazette	1922-1996
Japanese Utility Model Laid Open Gazette	1971-2003
Registered Utility Model Specification	1984-2003
Japanese Utility Model Registration Gazette	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2000-90523.A (Sharp Corp.), 31 March, 2000 (31.03.00), Full text; Figs. 1 to 7 (Family: none)	1, 4
A	Full text; Figs. 1 to 7 (Family: none)	2, 3

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

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Date of the actual completion of the international search  
23 July, 2003 (23.07.03)Date of mailing of the international search report  
05 August, 2003 (05.08.03)Name and mailing address of the ISA/  
Japanese Patent OfficeAuthorized officer  
5D/9198  
Examiner, Patent Office

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